

## Claims

1. Hinge to be attached to room enclosure devices, in particular shower enclosure units, comprising at least one stationary door element (E) and at least one door leaf (F) adjacent the latter, consisting of flat material such as glass, plastics or the like, and having boreholes (B) close to a vertical edge (H) to receive door hinge parts (18, 38), **wherein:**
  - a) a stationary hinge member (10) comprises an end-stop clamping plate (12) with a support body (14) which has or constitutes a two-dimensionally adjustable bearing (16) for a first clamping disk (18) adapted to be fixed in a borehole (B) of a stationary door element (E), and on which a hinge housing member (20), forming a single unit with a lower sleeve member (22) or being rigidly connected with the latter, is adapted to be placed and shifted within a limited range,
  - b) a hinge- member (30) comprises a base (32) with a recess (34) to receive in a form-fitting manner projections (35) of a second clamping disk (38) that is adapted to be fixed in a borehole (B) of the door leaf (F), and additionally comprises an upper sleeve member (42) that forms a single unit with the base (32) or is rigidly connected with the latter,
  - c) the hinge-leaf member (30), running on the stationary hinge member (10), is height adjustable within a limited range, with the lower sleeve member (22) and the upper sleeve member (42) interlocking with their parts (23, 43) that face each other.
2. Hinge according to claim 1, **wherein** the end-stop clamping plate (12) and the hinge housing member (20) are connected by means of a detachable guiding device to form a shiftable unit.

3. Hinge according to claim 1 or 2, **wherein** the support body (14) is an undercut broad rib which protrudes the end-stop clamping plate (12) and to which undercut guide edges (24) of the hinge housing member (20) are attached.
4. Hinge according to anyone of claims 1 to 3, **wherein** the end-stop clamping plate (12) is rectangular and comprises on one of its narrow edges a ledge, a fold (15), or the like that sits close to a vertical edge (H) of the stationary door element (E) when mounted.
5. Hinge according to claim 3 and claim 4, **wherein** the fold (15) is directed away from the support body side of the end-stop clamping plate (12).
6. Hinge according to claim 4 or claim 5, **wherein** the fold (15) constitutes a stopper for the pivoting range of the hinge leaf member (30).
7. Hinge according to anyone of claims 3 to 6, **wherein** the support body (14) comprises an oblong recess (17) that is adapted to receive in a selectable position an adjustment excenter (19) screwed with the first clamping disk (18).
8. Hinge according to claim 7, **wherein** the support body (14) is provided with at least one radial screw, e. g. a headless set screw (29), to be wedged against the circumference of the adjustment excenter (19).
9. Hinge according to claim 7 or claim 8, **wherein** the support body (12) comprises, in addition to the oblong recess (17), clamping means for fixing the hinge housing member (20).
10. Hinge according to claim 9, **wherein** the clamping means consist of at least one screw (21) positioned in the support body (14) in vertical direction to the plane of the latter suitable to be tightened and loosened by applying a tool through an opening (25) in the hinge housing member (20).

11. Hinge according to claim 10, **wherein** the hinge housing member (20) comprises two parallel oblong holes (25) opposite the heads of two screws (21).
12. Hinge according to anyone of claim 1 to 11, **wherein** the hinge housing member (20) is provided with a cover means, especially with a detachable and removable cap (54).
13. Hinge according to anyone of claims 1 to 12, **wherein** the hinge leaf member (30) is adapted to engage, with respect to the stationary hinge member (10), in preferred pivoting positions.
14. Hinge according to claim 13, **wherein** the hinge housing member (20) in the lower sleeve member (22) comprises a ribbed collar (26) that interengages with projections (46) of an interlocking means (40) located on or in the upper sleeve member (42).
15. Hinge according to claim 14, **wherein** the interlocking means (40) is a cylindrical element, positioned in the upper sleeve member (42) and provided with in downward direction axially aligned projections (46).
16. Hinge according to claim 14 or claim 15, **wherein** the interlocking means (40) is attached to a disk (45) that is placed in the upper sleeve member (42) in a way that permits rotations within a limited range around the axis (A) of the latter.
17. Hinge according to claim 16, **wherein** the disk (45) is placed on a transverse wall (44) in the upper sleeve member (42) that is provided with oblong holes (47) in the bottom segment which are penetrated, parallel to the axis, by fixation screws (48) for the interlocking means (40).
18. Hinge according to anyone of claims 1 to 17, **wherein** the stationary hinge member (10) and the hinge leaf member (30) are connected in a detachable manner through an axial retaining means (27, 50).

19. Hinge according to claim 17 and claim 18, **wherein** the retaining means is composed of a center pin (27) forming a single unit with the lower sleeve member (22) or being rigidly connected with the latter and having a tapped blind hole (28) on the front side, and a screw (50) that penetrates the transverse wall (44) in the upper sleeve member (42) and engages in said tapped blind hole.
20. Hinge according to claim 19, **wherein** the center pin (27) constitutes an additional guiding device for the lower sleeve member (10) and the upper sleeve member (42).
21. Hinge according to anyone of claims 1 to 20, **wherein** the sleeve collars (23, 43) of the lower sleeve member (22) and the upper sleeve member (42) interengage axially with little clearance.
22. Hinge according to anyone of claims 1 to 21, **wherein** the clamping disks (18, 38) comprise a cylindrical section each, located in the related borehole (B) of the stationary door element (E) and the door leaf (F), and an adjacent conical collar (53) to be inserted into form-fitting countersinkings of the borehole.